Notice of Allowability	Application No.	Applicant(s)		
	10/615,902	IANCU ET AL.		
	Examiner	Art Unit		
	Leila Malek	2611		
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS therewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIP of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due cours	se. THIS	
1. This communication is responsive to 10/17/2006.		·		
2. ☑ The allowed claim(s) is/are <u>2-8 and 10</u> .				
 Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the: 1: ☐ Certified copies of the priority documents have 				
2. ☐ Certified copies of the priority documents have				
Copies of the certified copies of the priority documents have	· · · · · · · · · · · · · · · · · · ·		from the	
International Bureau (PCT Rule 17.2(a)).	samona.nave been received in the	lational stage application .		
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the require	ments	
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 			CE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.			
(a) 🔲 including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached				
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date				
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the O	ffice action of		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			k) of	
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 	sit of BIOLOGICAL MATERIAL n FOR THE DEPOSIT OF BIOLOGICA	nust be submitted. Note AL MATERIAL.	the	
·				
Attachment(s)		·		
1. Notice of References Cited (PTO-892)	5. ☐ Notice of Informal P	atent Application		
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ⊠ Interview Summary Paper No./Mail Dat			
3. Information Disclosure Statements (PTO/SB/08),	7. 🛭 Examiner's Amendn			
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	8. Examiner's Statement of Reasons for Allowance		
of Biological Material	9.			
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DETAILED ACTION

Response to Amendment

1. This office action is in response to the amendments received on 10/17/2006.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Perry Palan on 10/26/2006. The application has been amended as follows:

- a. As to claim 6, "The radio according to Claim 1" has been replaced by "The radio according to Claim 10"
- b. As to claim 10, line 12, "sampling rate; and." has been replaced by "sampling rate; and"

Allowable Subject Matter

3. Claims 2-8 and 10 allowed. The following is an examiner's statement of reasons for allowance:

As to claim 10 a comprehensive search of prior art of record failed to disclose, either alone or in combination, an apparatus comprising: a first channel and a second channel for receiving signals at a first carrier frequency and second carrier frequency, respectively; an A/D converter and a D/A converter connecting

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the channels through a multiplexer to a digital signal processor; an oscillator connected to and providing a common sampling rate to the A/D and D/A converters; and the digital signal processor controlling the multiplexer and modifying received and transmitted digital signals to accommodate for the different carrier frequencies using the common sampling rate to accommodates for the different frequency signals by linear interpolation of the sampling rate. Wherein the linear interpolation for each interpolated sample Y_n , at the desired sampling rate T_0 , is calculated from two samples X_{n+1} , X_n at the common sampling rate T_s as: $Y_n = X_n + n$ ($T_0 - T_s$)/ T_s ($X_{n+1} - X_n$).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leila Malek whose telephone number is 571-272-8731. The examiner can normally be reached on 9AM-5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad Ghayour can be reached on 571-272-3021. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2611

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Leila Malek Examiner Art Unit 2611

L.M

MOHAMMED GHAYOUR SUPERVISORY PATENT EXAMINER